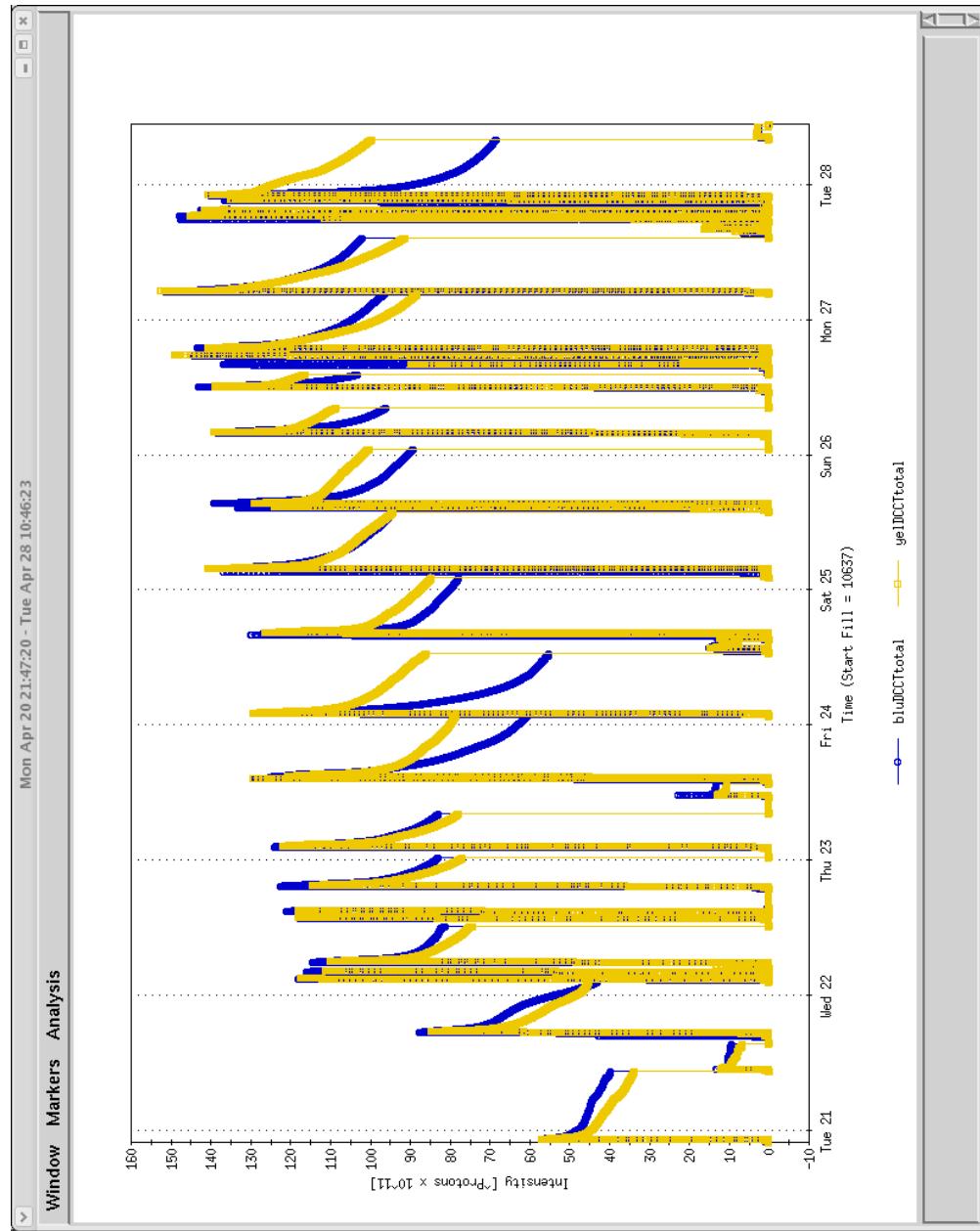


RHIC Status

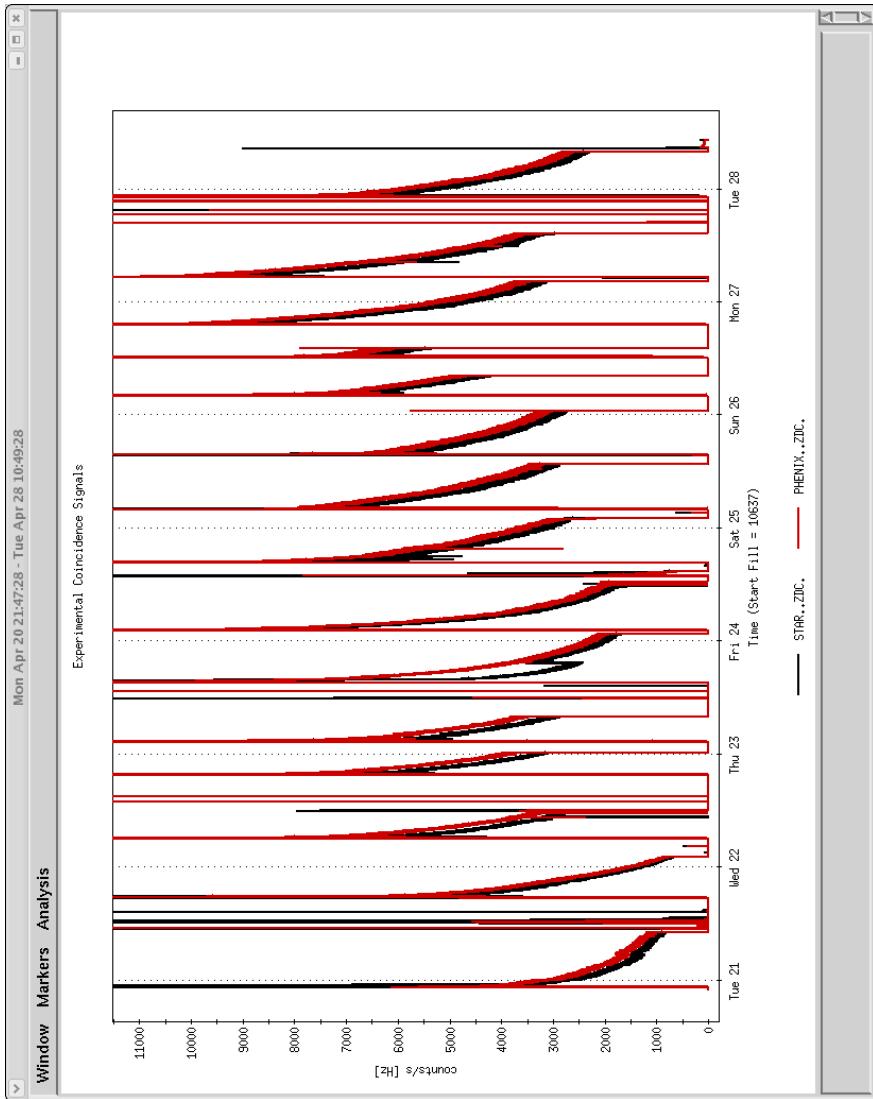
April 28, 2009

- Intensities reached $1.4 \cdot 10^{11}$ /bunch
- Luminosity is at same level as Run-6/Run-8, $35 \cdot 10^{30} \text{ cm}^{-2}\text{sec}^{-1}$
- Tried quad mode pumping in the AGS to help hourglass effect. Transverse emittances significantly larger.
- Counterphased RF cavities at injection to improve longitudinal matching. Landau cavities trip frequently. Will try again with higher voltage to avoid trips.

Beam intensities

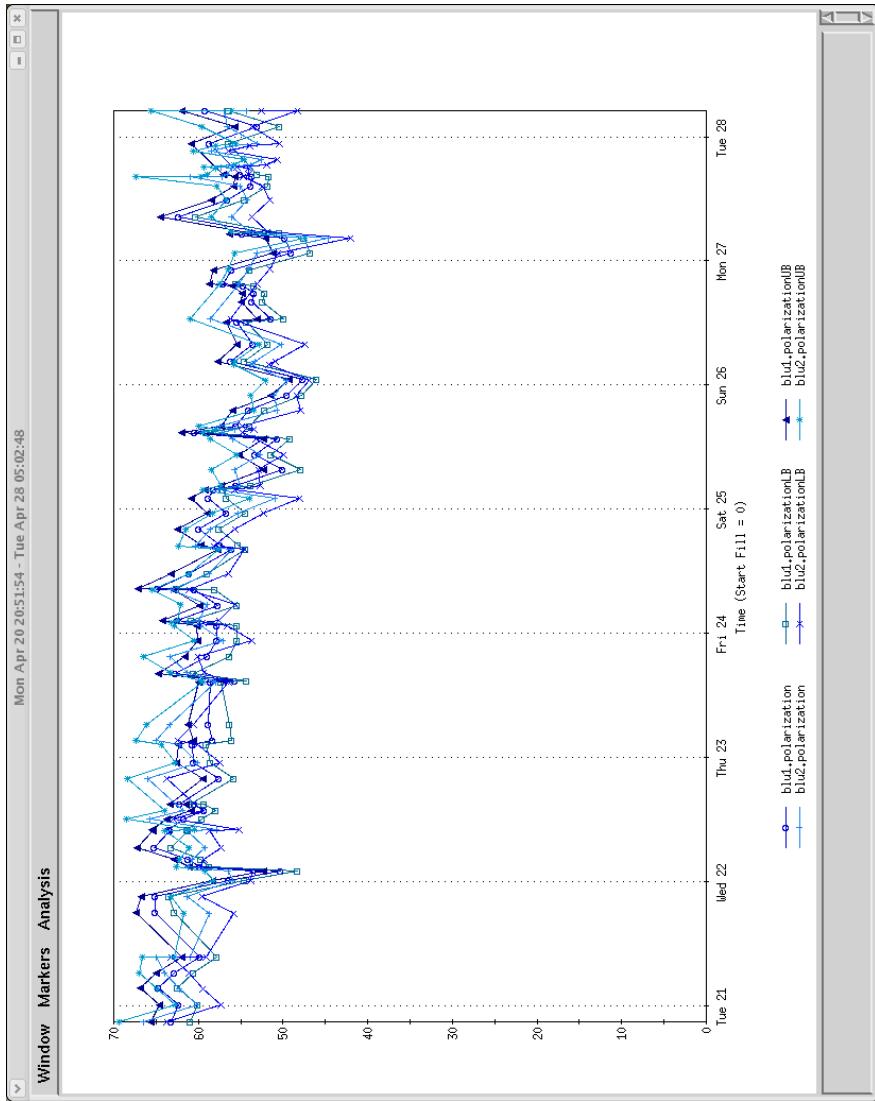


Collision rates



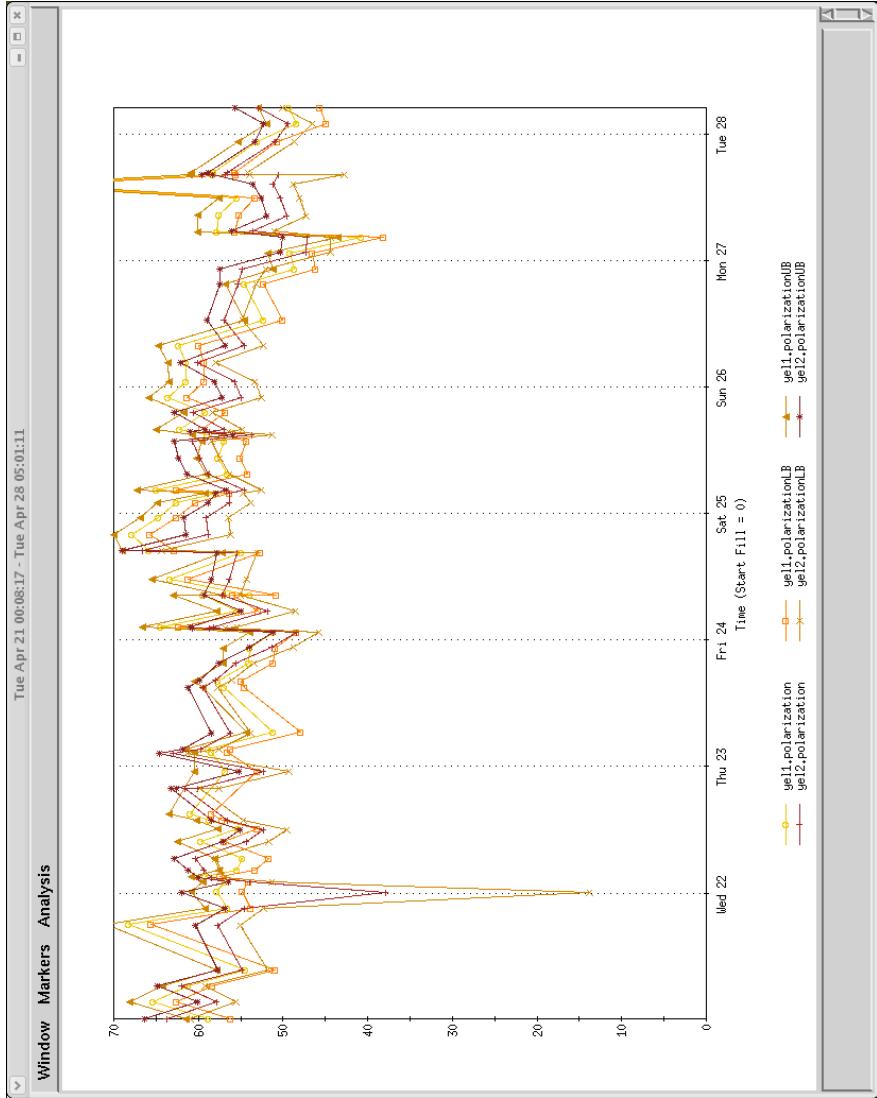
With latest ZDC cross section measurements, highest rates correspond
to $35 \cdot 10^{30} \text{ cm}^{-2}\text{sec}^{-1}$

Blue CNI offline polarization



Significant drop on Friday evening

Yellow CNI offline polarization



Significant drop Sunday afternoon

Plan for the week

- Low luminosity store(s) for STAR today
- Try RF counterphasing once more this afternoon; one physics store until 7 PM
- APEX overnight, then Maintenance Day
- 2 h 9 MHz development on Thursday, probably spin flip-per work
- Physics stores, with slowly increasing intensity to maximize luminosity